

Maksimova, N.P., V.M. Lehenova, and
V.M. Korovina

1977

Experience in rearing larvae of whitefish on live food
(Opyt podraschivaniia lichinov sigovakh s primeneniem
zhivyykh kormov)

Trudy Kareli'skogo otdeleniia gosnirsh. 2(1): 421-424.
In Russian.

Transl. by Transl. Bur., Egn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., F&F (PR-8) Reshuster
Inst., Winnipeg, Can., 1974, as Transl. Series No. 2973.
Tip., typescript.

Avail. on loan - NND, Wash., D.C.

Document Article Checked 

Zabolotskii, A.A.

1967

Carp feeding in the Veshkelitsa lakes after chemical extermination of trash fish (O pitanii karmy v veshkelitskikh ozerakh, obezbozheniya khimicheskimi metodami).

Trudy Karelskogo o delevia Gos. Vuzh. 2(1): 421-422.
In Russian.

Transl. by Transl. gr., Ego. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., 22 (1967) Freshwater Biol., Winnipeg, Man., 1974, as Transl. Series No. 2997, 14p., typescript.

Avail. on Loan - DOD, Wash., D.C.

Original Article Checked *KJ*

Podbologova, T.T.

1967

The feeding of peleds (Coregonus peled Smelin), ciscoes (Coregonus albula L.), and carp reared in small "lamba" forest lakes of southern Karelia (Pitaniye peliadi, riapushchki i karpa, vyrashchivaemykh v mal'kikh lesnykh ozerakh-lambakh Iuzhnogo Karelii)
Trudy Kareli'skogo otdeleniya IosMORZh, 2(1): 433-441.
In Russian.

Transl. by Transl. Bur., Egn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRAC Freshwater Inst., Winnipeg, Man., 1974, as Transl. Series No. 2951, 15p., typescript.

Avail. on loan - EHS, Wash., D.C.

Original Source: MR

Zabolotskii, A.A.

Feeding habits of rainbow trout in Southern Karelian lakes
(O pitanii raduzhnoi foreli v usloviakh ozer iuzhnoi Karelii)
Trudy Kareli'skogo otdeleniia GosNTOKh, 2(1): 442-449.
In Russian.

1967

Transl. by Transl. Bur., Egn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Freshwater Inst.,
Winnipeg, Man., 1974, as Transl. Series No. 2906, 14p.,
typewritten.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *W*

Gordeeva, L.N.

1967

The feeding *Gorogonia* hybrids in the Vashkelitsky lakes
(Pitanie gibriov sigovykh v Vashkelitskikh ozerakh)
Trudy Kareli'skogo otdeleniya GosNIORKh, 5(1): 450-454.
In Russian.

Transl. by Transl. Ser., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Freshwater Inst.,
Winnipeg, Man., 1974, as Transl. Series No. 2912, 11p.,
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked.....

1967
Lyakhovich, V.P.
Effect of yearling carp on the quantitative growth of
zooplankton and benthos (Vliyanie dvukhletnikh karpov na
kolichestvennoe razvitiye zooplanktona i bentosa)
(Trudy Karelskogo otdeleniya GosNIOKh) 2(1): 458-465.
In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Freshwater Inst.,
Winnipeg, Man., 1973, as Transl. Series No. 2804, 12p.,
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *IK*

Volkhovskaya, M.I., E.B. Savateeva, and

1967

A.P. Gladikh

The food supply of Arctic ponds (Kandalaksha Fish Farm)
and the effect on it of fertilizers (Kornovaya baza prudov
Zapolyar'ya (Kandalakshskiy rybovodnyy zavod) i vliyaniye na
nee udobrenii)

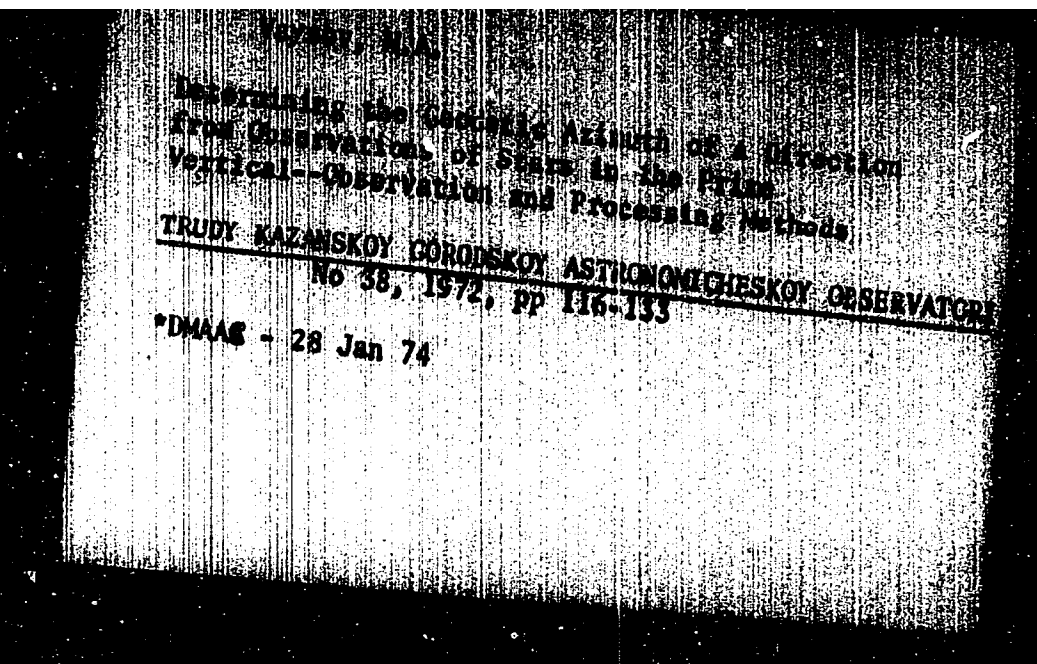
(Trudy Karelskogo otdeleniya GosNIORKh) 2(1): 466-472.

In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Freshwater Inst.,
Winnipeg, Man., 1973, as Transl. Series No. 2763, 10p.,
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *[initials]*



SOME PROBLEMS IN SYNTHESIZING AMPLITUDE RADIA
TION PATTERNS

CHONI, YU. I.

LANGUAGE-RU COUNTRY-UR

TRUDY (KAZAN. AVIAT. INS.) VYP. 104, RADIOTEK
H. IELEKTRON. 1970 3-10

FSTC-HT-23-1719-73

SYNTHESIS OF ANTENNAS ON THE BASIS OF EXPERIM
ENTAL DATA

DYMSKIY, V. ET. AL LANGUAGE-RU COUNTRY-UR

TRUDY (KAZAN. AVIATS. INST.) VYP. 104 RADIOTE
KH. 1 ELEKTRUTEKH. 1970 19-

FSIC-HT-23-1781-73

KARPOVICH, I.N.
//TRUD KIRGIZSKOGO GOB MBP TAST//
--/--/1971, V---, N0070,
Activity of Some Glands of Internal Secretion
in Animals at High Altitudes in Kirgizia Tuya
Ashu Pass, Altitude 5200 M' 6 of
pp 158-163, #ACSI-K-487888

Agency No. of Documentation
P.O.No. S-41-22-00325
9844/2030
6 Aug. 1974
Title: Avtomaticheskoy Regulyatsiy Urovnya Vody Gidrotakh-
nicheskikh Sostavleniy Otschital'naya Sistem
Author: Ya. V. Bechkerov
Source: Trudy Kirgizskogo Nauchno-Issledovatel'skogo Instituta
Imeni K.I. Skryabina. Issue 17, Vol. IV, 1972
Language: Russian pp3-7
Instructions: Type double space, edited draft copy.
No paste-up, leave space, translate all captions

Agency No. of registration
P. O. No. 5-02-42-00323

9844/2038
6 Aug. 1974

Title: Avtomatizatsiya Vozrastnogo Deleniya na Kazniakh
Orenburgskiy Shtet po Pustoyamym Obshcham i Evropeyem

Authors: Ya.V. Dosharev

Source: Trudy Kirgizskogo Sel'skokhozyaystvennogo Instituta
im. N.I. Shyubnikova, Issue 17, Vol IV 1972

Language: Russian pp7-9 (missing end of article)

Instructions: Type double space. Edited draft. No paste
up, leave space. Translate all captions

Agency: Bu. of Reclamation
P.O.No. 5-01-ER-00325

9844/2032
6 Aug. 1974

Title: K Analizu i Vyboru Ratsional'nogo Sposoba Avto-
matizatsii Vedoraspredeleniya na Samotekhnicheskikh Oresitel'-
nykh Sistemakh

^k
Author: Ya.V. Bochkarev, A.I. Mikhaylenko

Source: Trudy Kirgizskogo Sel'skokhozyaystvennogo Institut
im. K.I. Skryabin Issue 17, Vol IV, 1972

Language: Russian pp74-78

Instructions: Type double space. Edited draft copy. NO
paste-up, leave space, translate all captions

7-22-22-00123

6 Aug. 1972

9844/2033

Author: Ya.V. Barchukov, A.I. Mikhaylov
Title: K issledovaniyu Udalochivosti Sistemy Vozdukhovoy-
zemnogo Pogrebivaniya s Vozdukhny Priborostroy Svyaz'yu.
Source: Trudy Kirovskogo Sel'skokhozyaystvennogo Inst.
1, K.I. Skryabin. Issue 17, Vol IV, 1972

Language: Russian

pp83-88

Instructions: Type double space. Edited draft copy.
NO Paste-up, leave space, translate all captions.

Agency No. of Documentation
P.O.No. 3-01-12-00123

9844/2094
6 Aug. 1974

Результаты исследований и работы автономных
научных учреждений в Киргизии: Издание
научно-технической литературы

Author: G.Y. Baptsin

Source: Trudy na Kirgizskogo Nauchno-Issledovatel'skogo Inst.,
in. K.I. Shryabin, Issue 17, Vol. IV, 1972

XXXXXXXXXXXXX Russian, pp93-100

Instructions: Type double space, edited draft copy. SO paste
up, leave space, translate all captions.

Agency No. of Documentation
P.O.No. 3-01-12-00323

2044/2033
6 Aug. 1974

Title: Eksplicitatsionnye Otkazki i Puti Upravleniya
Teleoperatsionnyye na Osvetitel'skikh Materialakh. ya

Author: N.H. Golubev

Source: Trudy Kirgizskogo Sel'skokhozyaystvennogo Inst.
Im. K.I. Skryabin. Issue 17, Vol. IV, 1972

Language: Russian PP115-170

Instructional Type double space. Edited draft copy. NO Paste
up, leave space, translate all captions.

Panfilov, D.F. Candidate of Technical Sciences

Approximate Formulas for the Determination of
the Carrying Capacity of Ice 9 pp

TRUDY KOORDINATSIONNYKH SOVESHCHANIY PO
■ GIDROTEKHNIKE No 10, 1964

FSTC-HT-23-1847-72

Karelina, L. V.

Iodine in the soils of the Latvian S.S.R. in connection with the distribution of endemic goiter.

LATVIJAS PSR ZINATNU AKADEMIJA. RIGA. LABORA-
TORIJA BIOKIMII POCHV I MIKROELEMENTOV. TRUDY,
Vol. 2, 1961, p. 233-255
NTC 72-11245-26F

KAPITAN, G. A.

Certain peculiarities of atmospheric field
decomposition using systems of orthogonal functions.
17 pgs.

TRUDY LENINGRAD GIDROMETEOROLOGICHESKIY NAUCHNO-
ISSLEDOVATEL'SKIY TSENTR SSSR. STATISTICHESKAYA
STRUKTURA GIDROMETEOROLOGICHESKIKH POLEY Nr. 64,
1970, pp 69-80.
AIR-FTD-HI-23-674-73

NUMERICAL FORECAST FOR 1-5 days using complete equations
of hydrodynamics and questions of the matching of
initial fields of meteorological elements, 17 pp.
PP 55-67, AIR/FTD-X-24-1108-7400

Thurman, E. L.

Base Pressure behind Flat Boilers during low water
near-wake Combustion

TRIPPI, CHRISTOPHER J. 1970. AVIATION ENGINEERING

SYMPOSIUM, nr. 66, 1970, pp. 45-56

ATR/FTD-HT-23-843-73

Ul'yanov, G. K.

Use of Noncontact Magneto-Acoustic Transducers in
Ultrasonic Flaw Detection

7 pp

LENINGRADSKIY INSTITUT AVIATSIONNOGO PRIBOROSTROYENIYA.
TRUDY. ISSLEDOVANIYA PO PRIKLADNOY UL'TRAAKUSTIKE I
TEORII ELEKTRICHESKIKH TSEPEY, No. 45, 1965, pp. 27-32

FTD-HT-23-697-73

SECRET

Application of the National Defense Science and Engineering Graduate Fellowship Program

Final Report of the Panel on the National Defense Science and Engineering Graduate Fellowship Program

DP 104-110

HTC 77-21831-10E

UNIFORM FILM DEVELOPMENT RESULTS IN A CONTINU
OUS DEVELOPING MACHINE

BLYUMBERG, I. LANGUAGE-RU COUNTRY-UR

TR. LENINGR. IN-TA KINDINZHEN. VYP. 12, 1967
PP 69-77

FSTC-MT-23-1506-73

Petrov, G. I.

Educational methods textbooks. 156 pgs.
Leningrad. POLITEKHNIЧЕСКИЙ ИНСТИТУТ. TRUDY, 1966,
pp 1-104.

AIR-FTD-MT-24-346-73

Kalinina, M. I.

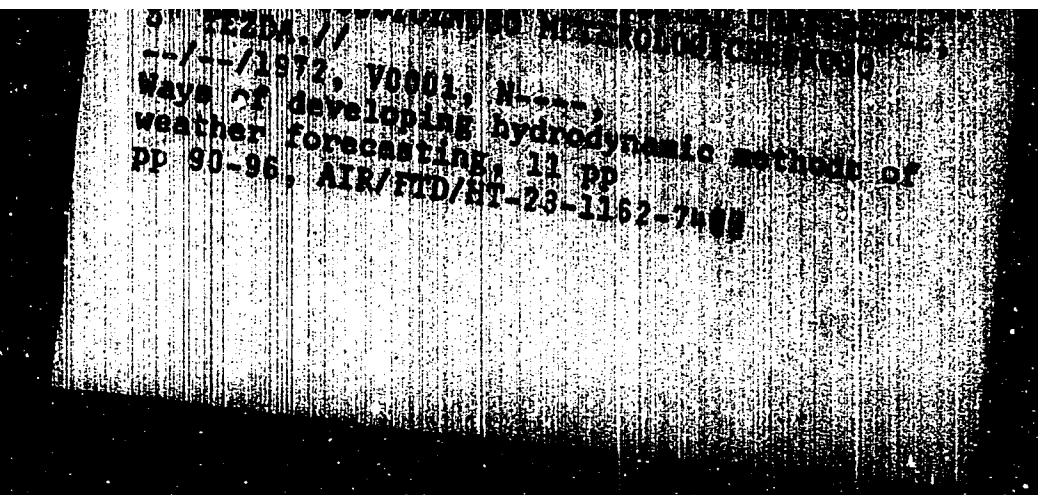
Educational methods textbooks. 97 pgs.
TRUDY, LENINGRAD. POLITEKHNICHESKIY INSTITUT.
1967, pp 1-103.
AIR-FTD-HC-23-347-73

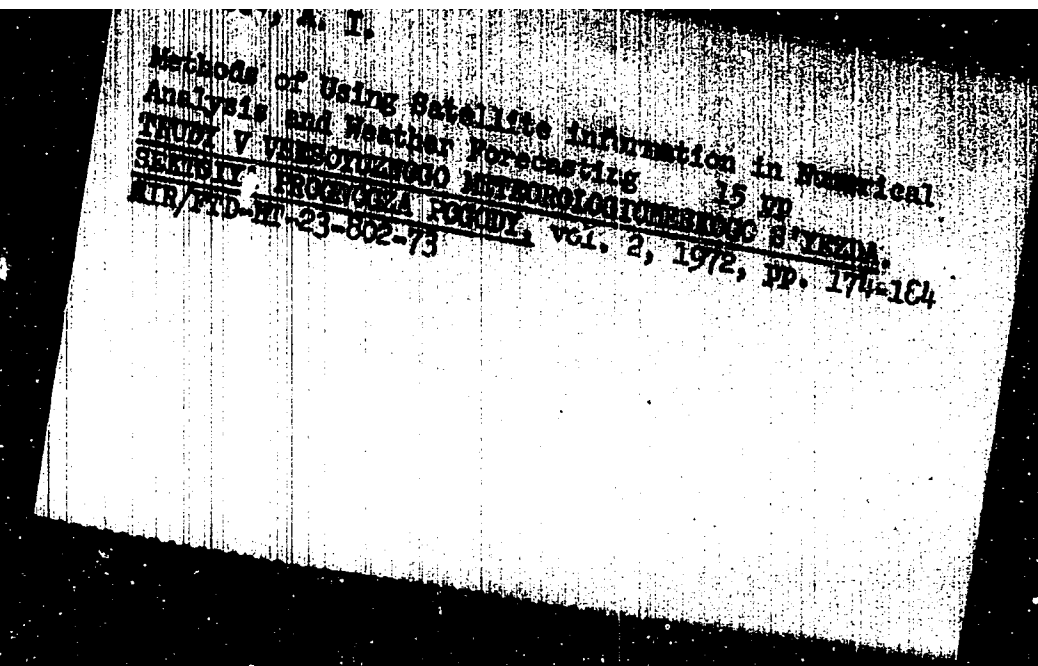
Malinovich, S. A.

Forecast for the Average Period of large-scale
Components of Atmospheric Circulation on the basis
of a nonlinear Spectral Model. 19 pp

TRUDY V VSEJOYUZNOGO METEOROLOGICHESKOGO INSTITUTA.
BERESIYA PROGNOZA POUDY, nr. 2, 1972, pp. 42-51

AIR/MD-M-23-803-73





Bogdanov, A.B. (Chief Editor)

1971

Soviet fisheries investigations in the Indian Ocean
(Second expedition of R/V "Akad. Knipovich") (Sovetskie
rubezhnaya i sverkhgizistvennyye issledovaniya v Indijskom okeane
(Vtoroi reys nauchno-promyslovogo sudna "Akad. Knipovich")
Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta
morskogo rybnogo khoziaistva i okeanografii (VNIRO),
72, 1st. "Pishevaia Promyshlennost'," Moscow, 146p.
In Russian.

Transl. by IPST for NMFS, 1973, 152p. Avail. NTIS as
TT 71-50128, price \$5.00.

Avail. on Loan - NMFS. Wash., D.C.

Original Article Checked...

Bortnikov, V.S.

1971

Topography and recent bottom sediments of the shelf and continental slope of Western India (Rel'ef i sovremennye donnye otlozheniia shel'fa i materikovoego sklona Zapadnoi Indii)

Sovetskie rybokhoziaistvennye issledovaniia v Indii'skom okeane (Vtoroi reia nauchno-promyslovogo sudna "Akad. Knipovich") (A.S. Bogdanov, chief editor), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 72, iss. "Pishchevaia Promyshlennost'," Moscow, 14p.: 13-78. In Russian.

Transl. by IPST for NMFS, 1973, pp. 6-28 in 152p. "Soviet Fisheries Investigations in the Indian Ocean," A.S. Bogdanov, (editor). Avail. NTIS as TT 71-50128, price \$3.00.

Avail. on loan - NMFS, Wash., D.C.

Original Article Checked

ABOLTINSH, M.
//TRUDY VSESOUZMY NAUCHNO-ISSLEDOVATELSKII
INSITUTT MORSKOGO RYBNOGO KHOZYAISTVA
I OKDANOGRAPHII//
--/--/1971, V0078, N---, pp 0067-0072
Development of general purpose fish
processing machines
NTC 75-10122-06H
#

Chekunova, V.I.

1971

Distribution of commercial invertebrates on the shelf of India, the northeastern part of the Bay of Bengal, and the Andaman Sea (Raspredelenie prokhoznykh besposvetsnykh na shel'fe Indostana, severo-vostochnoi chasti Bengal'skogo zaliva i Andamanskogo moria)

Sovetskie rybnokhoziaistvennye issledovaniia v Indijskom okeane (Vtoroi reis nauchno-promyslovogo sudna "Akad. Kripovich") (A.S. Bogdanov, chief editor), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 72, 1st. "Pishchevaia Promyshlennost'," Moscow, 146p.: 70-83. In Russian.

Transl. by IPST for NMFS, 1973, pp. 68-83 in 152p. "Soviet Fisheries Investigations in the Indian Ocean," A.S. Bogdanov, (editor). Avail. NTIS as TT 71-50128, price \$3.00.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *AK*.

Shubnikov, D.A., and G.I. Tokareva

1971

Materials on fish resources on the shelf of the Indian Peninsula (Materialy po syr'evoy baze rybolovstva shel'fa poluostrova Indostan).

Sovetskie rybokhoziaistvennye issledovaniia v Indiskom okeane (Vtoroi reis nauchno-promyslovogo sudna "Akad. Knipovich") (A.S. Bogdanov, chief editor), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 72. izd. "Pishchevaia Promyshlennost'," Moscow, 146p.: 84-85. In Russian.

Transl. by IPST for NMFS, 1973, pp. 84-96 in 152p. "Soviet Fisheries Investigations in the Indian Ocean," A.S. Bogdanov, (editor). Avail. NTIS as TT 71-50128, price \$3.00.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *AK*

Kovalkov, V.P., and G.P. Iornat

1971

Estimation of washing time for fish mince
Trudy vsesoyuznogo nauchno-issledovatel'skogo instituta
morskogo rybnogo khozyaistva i okeanografii (VNIRO), 78:
59-66. In Russian.

Transl. for NRC as C-11876.

Original Article Checked *MR*

Karius, V.G., V.N. Degtyarev, and
V.V. Kuznetsova

1971

On photoelectric sorting of flatfish into size groups
(Mechanisation and automation of labor-consuming operations
in fish processing) (O fotoelektronnoi sortirovke ploekikh ryb
na pashernye gruppy po dline (Mekhanizatsiya i avtomatizatsiya
trudozemnykh protsessov obrabotki ryby)

(Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta
morskogo rybnogo khoziaistva i okeanografii (VNIRO) i Otdel
nauchno-tekhnicheskoi informatsii (ONTI)), 78, Moscow, 238p.:
85-89. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Vancouver Lab.,
Vancouver, B.C., 1973, as Transl. Series No. 2750, 5p.,
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *MR*

Degtyarev, V.N., and V.G. Karius

1971

Automation of feeding of individual fleundeys into the
dressing machine (Avtomatizatsiya poshtuchnoi podachi
kambei na obrabotku)

(Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta
morskogo rybnogo khoziaistva i okeanografii (VNIRO) i Otdel
nauchno-tekhnicheskoi informatsii (ONTI)), 78, Moscow, 238p.:
90-102. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Vancouver Lab.,
Vancouver, B.C., 1973, as Transl. Series No. 2763, 14p.,
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *JK*

Maslennikov, V.V., S.S. Parfenovich, and 1971
E.V. Soliankin

Studies on surface currents in Scotia Sea (Issledovaniia
poverkhnostnykh techenii moria Skotii)

Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta
morskogo rybnogo khoziaistva i okeanografii (VNIRO)
(A.S. Bogdanov, chief editor), 79, Moscow, 194p.: 41-49.
In Russian.

Transl. by IPST for NMFS, 1972, pp. 37-46 in 186p. "Proceedings
of the All-Union Research Institute of Marine Fisheries and
Oceanography," 79, monog. Avail. NTIS as TT 71-50131, price
\$3.00.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked.....*MR*

Mitrokhin, Yu.A.

1971

The main trends in fishery research in relation to the development of the general plan for the integrated utilization and conservation of the water resources of the USSR

(Osnovnye napravleniya rybnokhozyaistvennykh issledovaniy pri razrabotke general'noi skhemy kompleksnogo ispol'zovaniya i okhrany vodnykh resursov SSSR)

Biologicheskie osnovy i puti povysheniya effektivnosti estestvennogo razmnozheniya i iskusstvennogo razvedeniya tsennykh promyslovyykh ryb, Trudy Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaistva i okeanografii (NIRO), 81, 243p.: 128-143. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Biol. Sta., Nanaimo, B.C., 1973, as Transl. Series No. 2534, 27p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked.....*NR*

Vladimirov, V.A.

1971

Population dynamics of fur seals on Robben Island (o
dinamike chislennosti populyatsii morskikh kotikov ostrova Ty)
Morskoe mlekopitatel'stvo (kotiki i tiuleni) (V.A. Arsen'ev
and B.A. Tikhomirov, editors), Trudy Vsesoiuznogo nauchno-
issledovatel'skogo instituta morskogo rybnogo khoziaistva i
okeanografii (VNIRO), 88, and (jointly) Trudy Tikhookeanskogo
nauchno-issledovatel'skogo instituta rybnogo khoziaistva i
okeanografii (TINRO), 80, Moscow, 326p.: 7-12. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC / Arctic Biol. Sta.,
Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2496,
10p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *MS*

Che lokov, P.G.

1971

Some data on migration of fur seals from rookery to rookery
(Nekotorye dannye o perekhodakh morskikh kotikov s lezhbishcha
na lezhbishcha)

Morskoe mlekpitaishche (kotiki i tiuleni) (V.A. Arsen'ev
and E.A. Tikhomorov, editors), Trudy Vsesoiuznogo nauchno-
issledovatel'skogo instituta morskogo rybnogo khoziaistva i
okeanografii (VNIRO), 82, and (jointly) Trudy Tikhookeanskogo
nauchno-issledovatel'skogo instituta rybnogo khoziaistva i
okeanografii (TINRO), 80, Moscow, 326p.: 44-46. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRRO Arctic Biol. Sta.,
Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2453,
4p., typescript.

Avail. on - NMFS, Wash., D.C.

Original Article Checked *AK*

Panina, G.K.

1971

Feeding habits and food resources of fur seals in the Sea of Japan (Pitanie i kormovaya baza kotikov v Yaponskom more)

Morskoe mlekoпитaniushahie (kotiki i tiuleni) (V.A. Arsen'ev and E.A. Tikhomorov, editors), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 82, and (jointly) Trudy Tikhookeanskogo nauchno-issledovatel'skogo instituta rybnogo khoziaistva i okeanografii (TINRO), 80, Moscow, 1971: 65-76. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ. CIBO Arctic Biol. Sta., Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2497, 21p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *NR*

1971

Nesterov, G.A.

Food intake of fur seals in captivity (O kolichestve pisheni,
potreblayemoy kotikami v vol'ernykh usloviyakh)
Morskoe mlekoopitaiushchie (kotiki i tiuleni) (V.A. Arsen'ev
and E.A. Tikhonov, editors), Trudy Vsesoiuznogo nauchno-
issledovatel'skogo instituta morskogo rybnogo khoziaistva i
okeanografii (VNIRO), 38, and (jointly) Trudy Tikhookeanskogo
nauchno-issledovatel'skogo instituta rybnogo khoziaistva i
okeanografii (TINRO), 80, Moscow, 326p.: 77-78. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Arctic Biol. Sta.,
Sts. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2456,
3p., typescript.

Avail. on loan - NMFS, Wash., D.C.

Original Article Checked *MA*

1971

Mushchinkin, V.P.

Delay of implantation in fur seals of the northern seas
(O prodolzhenii razmnozheniya i razvitiya zarodka v usloviyakh
morskikh kotikov)

Morskoe lekopol'stvo (kotiki i tiuleni) (V.A. Arsen'ev
and E.A. Tikhomirov, editors), Trudy Vsesoiuznogo nauchno-
issledovatel'skogo instituta morskogo rybnogo khoziaistva i
okeanografii (VNIRO), 82, and (jointly) Trudy Tikhookeanskogo
nauchno-issledovatel'skogo instituta rybnogo khoziaistva i
okeanografii (TINRO), 80, Moscow, 326p.: 122-123. In Russian.

Transl. by Transl. Bur., Pgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Arctic Biol. Sta.,
Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2454,
4p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MR*

1971

Perlov, A.S.

The age of sexual maturation in sea lions (*Squalus*
nastupleniya polevoi zrelosti u sivuchey)
Morskoe mlekoopitaniushchie (kotiki i tiuleni) (V.A. Arsen'ev
and E.A. Tikhomorov, editors), Trudy Vsesoyuznogo nauchno-
issledovatel'skogo instituta morskogo rybnogo khoziaistva i
okeanografii (VNIRO), 32, and (jointly) Trudy Tikhookeanskogo
nauchno-issledovatel'skogo instituta rybnogo khoziaistva i
okeanografii (TINRO), 80, Moscow, 326p.: 174-189. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., PEBC Arctic Biol. Sta.,
Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series N. 2600,
23p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MA*.

Shitikov, A.M.

1971

Influences of the trophic factor on the population and distribution of the sea otter in the central and northern Kurile Islands (Vliyanie troficheskogo faktora na chislennost' i raspredelenie kalana na srednikh ostrovakh) Morskoe mlekopitaiushchie (kotiki i tiuleni) (V.A. Arsen'ev and E.A. Tikhomirov, editors), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 82, and (jointly) Trudy Tikhookeanskogo nauchno-issledovatel'skogo instituta rybnogo khoziaistva i okeanografii (TINRO), 80, Moscow, 326p.: 227-239. In Russian.

Transl. by Transl. Bur., Pgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Arctic Biol. Sta., Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2498, 22p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *MS*

Chelnokov, F.G.

1971

Reproduction of sea lions on the southeastern rocky of Mednyi Island (Otmushchenii sivuchei na yugo-vostochnom lezhibishche ostrova Mednyi)

Morskoe mlekovitsaiushchie (kotiki i tiuleni) (V.A. Arsen'ev and E.A. Tikhomorov, editors), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 82, and (jointly) Trudy Tikhookeanskogo nauchno-issledovatel'skogo instituta rybnogo khoziaistva i okeanografii (TINRO), 80, Moscow, 325p.: 190-192. In Russian.

Transl. by Transl. Bar., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Arctic Biol. Sta., Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2455. 5p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MR*

Bakhtanskii, B.L., E.Ya. Rimsh, and
I.B. Kyasimov

1971

Efficiency of salmon hatcheries in the Kura River basin and
ecological characteristics of trout and sea trout (Effektivnost'
lososovykh rybovodnykh zavodov v basseine Kury, a takzhe
ekologicheskie osobennosti foreli i kumzhi)
Biologicheskie osnovy i puti povysheniya effektivnosti
estestvennogo raznozheniya i iskusstvennogo razvedeniya
tsennyykh promyslovyykh ryb. Trudy Vsesoyuznogo nauchno-
issledovatel'skogo instituta morskogo rybnogo khozaystva i
okeanografii (VNIRO), 81, 243p.: 38-77. In Russian.

Transl. by Trans. Bur., Fgn. Lang. Div., Dept. of Sec. of State
of Canada, for Dept. of Environ., FRBC Biol. Sta., St. John's,
Nfld., and FRBC Biol. Sta., Nanaimo, B.C., 1973, as Transl.
Series No. 2370, 64p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *AK*

Musatova, O.N.

1971

Daily rations and food conversion efficiency in rearing young stages of sturgeon (*Acipenseridae*) (nutrichnye ratsiony i kormovye koeffitsienty u molodi osetrovykh) Biologicheskie osnovy i puti povysheniya effektivnosti estestvennogo razmnozheniya i iskusstvennogo razvedeniya tsennykh promyslovnykh ryb, Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozaystva i okeanografii (VNIRO), 91, 243p.: 114-127. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Biol. Sta., Nanaimo, B.C., 1973, as Transl. Series No. 2486, 25p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MR*

Ivanov, A.P., R.Y. Konyseva, and
H.L. Neshayeva

1971

Effect of temperature regime on the duration of fish culture operations at salmon hatcheries on the southern seas of the USSR (Vliyanie temperaturnogo rezhima na prodolzhitel'nost' rybovodnykh protsessov lososovykh zavodov yuzhnykh morey) Biologicheskie osnovy i puti povysheniia effektivnosti estestvennogo razmnozheniia i iskusstvennogo razvedeniia tsennykh promyslovyykh ryb. Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 81, 243p.: 144-148. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Biol. Sta., Nanaimo, B.C., 1973, as Transl. Series No. 2475, 7p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Chertov, L.P. and L.D. Bolkvadze

1971

A study of the testes of the turbot in connection with the artificial propagation of the species (Isuchenie semennikov kambaly kalkan v svyazi s ego iskusstvennym razvedeniem)

Biologicheskie osnovy i puti povysheniya effektivnosti estestvennogo razmnozheniya i iskusstvennogo razvedeniya tsennykh promyslovyykh ryb, Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 81, 243p.: 179-189. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Biol. Sta., Nanaimo, B.C., 1973, as Transl. Series No. 2362, 12p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *ME*

Aronovich, T.M., and L.V. Spektorova 1971
Cultivation of food organisms in connection with the
problem of artificial propagation of young stages of marine
fishes (Kultivirovanie zhivikh kormovvyyazi s problemoy
iskusstvennogo razvedeniya morskikh ryb)
Biologicheskie osnovy i puti povysheniya effektivnosti
estestvennogo razmnozheniya i iskusstvennogo razvedeniya
tsennyykh promyslovyykh ryb, Trudy Vsesoyuznogo nauchno-
issledovatel'skogo instituta morskogo rybnogo khozyaystva i
okeanografii (VNIRO), 31, 243p.: 190-204. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Biol. Sta.,
Nanaimo, B.C., 1973, as Transl. Series No. 2385, 18p.,
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MS*.

Korobochkina, E.S.

1971

Distribution of sturgeon and stellate sturgeon in the North Caspian Sea in relation to fluctuations in water temperature (Raspredeleniye tsetra i sevyryugi v severnom Kaspii v zavisimosti ot izmeneniy temperatury vody)

Biologicheskie osnovy i puti povysheniya effektivnosti estestvennogo razmnozheniya i iskusstvennogo razvedeniya tsennyykh promyslovyykh ryb. Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozaystva i okeanografii (VNIRO), 81, 243p.: 205-220. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Biol. Sta., Nanaimo, B.C., 1973, as Transl. Series No. 2443, 21p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MS*

Strel'nikova, V.S.

1971

The calorific value of two species of isopods (Crustacea)
in the Sea of Japan (Kalorifnost' dvukh vidov izopod
(Crustacea) iz Japonskogo moria)

Biologicheskie osnovy i puti povysheniya effektivnosti
entsestvennogo razvleniya tsennyykh promyslovyykh ryb, Trudy
Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo
rybnogo khozaystva i okeanografii (VNIIR), 31, and (Jointly)
Trudy molodykh uchennykh, 6, Moscow, 203p.: 51-6. In Russian.

Transl. by Transl. Bur., Egn. Lang. Div., Dept. of Sea. of
State of Canada, for Dept. of Environ., ENEC Biol. Sta.,
Halifax, N.S., and Mar. Arctic Biol. Sta., Ste. Anne de
Bellevue, P.Q., 1974, as Transl. Series No. 2944, 8p.,
typescript.

Avail. on loan - ENEC, Wash., D.C.

Original Article Checked *KK*

Grishchenko, L.I.

1971

Clinico-anatomical characteristics of inflammation of the swimbladder of carp. (Kliniko-anatomicheskaya kharakteristika vospaleniya plavatel'nogo puzrya karpov)

Trudy Vsesoyuznogo nauchno-issledovatel'skogo instituta prudoogo rybnogo khozyaistva, 18: 46-51. In Russian.

Transl. by Robert M. Howland for BSWAM, 1972, 9p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked, *MR*

Musykovskii, A.M.

1971

The testing of phenasal in bothriosephalosis of carp
(Ispytanie fenasala pri botriotsefalozhe karpov)

Trudy Vsesoyuznogo nauchno-issledovatel'skogo instituta
prudovogo rybnogo khozyaystva, 18: 146-148. In Russian.

Transl. by Robert M. Howland for BSMW, 1972, 5p., typescript.

Avail. on Loan - NMPS, Wash., D.C.

Original Article Checked *MR*

Starostin, A.D.

1966

I. I. Mesyatsev's life and scientific activities
(Zhizn' i nauchnaya deiatel'nost' I. I. Mesiatseva)
Biologicheskie i okeanograficheskie uslovia obrazovaniya
promyslovyykh skopleniy ryb (P.A. Moiseev, editor), Trudy
Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo
rybnogo khozyaystva i okeanografii (VNIRO), 60, iss. "Pishche-
vaya Promyshlennost'", Moscow, 281p.: ~~1966~~. In Russian.

11-150

Transl. by INSDOC for NMFS, 1971, pp. 1-13 in 443p.

"Biological and Oceanographic Conditions for the Formation
of Commercial Concentrations of Fish," monog. Avail. NTIS
as TT 67-59063, price \$3.00.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked: MR

Konstantinov, V. I.

1966

Duration of existence of schools of cod, their size composition and distribution on the fishing grounds of the Barents Sea (Dlitel'nost' sushchestvovaniia koshakov treski, ikh razmeryi i sostav i raspredelenie po promyslovoi akvatorii Barentsevo moria)

Biologicheskie i okeanograficheskie uslovia obrazovaniia promyslovkh skoplenii r b (P.A. Boiseev, editor), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 1966, izd. "Pishevaia Promyshlennost'", Moscow, 2 pp.: 111-112. In Russian.

Transl. by INSDOC for NIS, 1971, pp. 223-233 in 443p.

"Biological and Oceanographic Conditions for the Formation of Commercial Concentrations of Fish," monog. Avail. NIS as TR 65-590 3, price \$3.00. Another transl. by Transl. Div., Esp. Lang. Div., Dept. of State, ERNC, Atl. Oceanog. op., Dartmouth, N.H., 1967 as ERNC Transl. No. 9.

Avail. on loan - L. G. Mason, L.C.

Original Article Checked ☒

Laganov, I.I.

1966

Some results of underwater observations in the Barents Sea
(Nekotorye rezul'taty podvodnykh nabludeniĭ v Barentsevom more)
Biologicheskie i okeanograficheskie uslovia obrazovaniia
promyslovkha skoplenii r. (P.A. Moiseev, editor), Trud.
Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo
rybnogo khoziaistva i okeanografii (VNIRO), no. 10, izd. "Pishche-
vaia Promyshlennost'," Moscow, 2 lp.: 11-12. In Russian.

Transl. by HNSDC for NEPS, 1961, pp. 23-24 in 443p.

"Biological and Oceanographic Conditions for the Formation
of Commercial Concentrations of Fish," monog. Avail. NTIS
as TT 61-59063, price \$3.00.

Avail. on loan - NEPS, Wash., D.C.

Original Article Checked *MLG*

Kiselev, O.N.

1966

Some data on the behavior of cod (on the basis of observations from the hydrostat "Sever-1") (Nekotorye dannye o povedenii treski (po nabludeniim iz gidrostat "Sever-1"))

Biologicheskie i okeanograficheskie uslovia obrazovaniia promyslovyykh skoplenii ryb (P.A. Meliseev, editor), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 60, 1966, 196. "Pishchevaia Promyshlennost'", Moscow, 281p.: 169-170. In Russian.

Transl. by INSLOC for NMFS, 1971, pp. 248-253 in 443p.
"Biological and Oceanographic Conditions for the Formation of Commercial Concentrations of Fish," monog. Avail. NTIS as TT 67-59063, price \$3.00.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. MR

Arsen'ev, V.A.

1971

The age and sex composition of marine fur seals wintering in the western Pacific Ocean (Vozrastno-polovoi sostav morskikh kotikov, sinuyushchikh v zapadnoi chasti Tikhogo okeana)

Morskoe mlekopitaiushchie (kotiki i tiuleni) (V.A. Arsen'ev and E.A. Tikhonov, editors), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 82, and (jointly) Trudy Tikhookeanskogo nauchno-issledovatel'skogo instituta rybnogo khoziaistva i okeanografii (TINRO), 80, Moscow, 326p.: 25-43. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Arctic Biol. Sta., Ste. Anne de Bellevue, P.Q., as Transl. Series No. 2567, 21p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *NR*

Shitikov, A.M., and V.I. Lukin

1971

Macrobenthos of the sublittoral zone in islands of the
Greater Kuril chain as a food resource for the sea otter
(Makrobentos sublittoralii nekotorykh ostrovov bol'shoi
Kuril'skoi bazy kalana)

Morskoe mlekoopitaishchie (kotiki i tiuleni) (V.A. Arsen'ev
and E.A. Tikhonov, editors), (Trudy Vsesoiunogo nauchno-
issledovatel'skogo instituta morskogo rybnogo khoziaistva i
okeanografii) (VNIRO), 82, and (jointly) Trudy Tikhookeanskogo
nauchno-issledovatel'skogo instituta rybnogo khoziaistva i
okeanografii (TIHRO), 80, Moscow, 325p.: 217-226. In Russian.

Transl. by Transl. Bur., Pgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Arctic Biol. Sta.,
Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2574,
22p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked M.

Kosygin, G.M., and V.A. Putelov

1971

Age, sex and population variability of the craniological characters of bearded seals (Vozrastnaya, polovaya i populyatsionnaya izmenchivost' kranilogicheskikh priznakov morskogo zaitsa)

Morskije mlekopitaiushchie (kotiki i tiuleni) (V.A. Areen'ev and E.A. Tikhomorov, editors), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 82, and (jointly) Trudy Tikhookeanskogo nauchno-issledovatel'skogo instituta rybnogo khoziaistva i okeanografii (TINRO), 80, Moscow, 326p.: 266-288. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Arctic Biol. Sta., Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2651, 29p., typescript.

Avail. on Loan - NMPS, Wash., D.C.

Original Article Checked...*[initials]*

Moiseev, P.A. (Chief editor)

1972

Preface (Predislovie)

Bonitet Mirovogo okeana. (1). Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 72, 247p.: 5-8. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Mar. Ecology Lab., Dartmouth, N.S., 1973, as Transl. Series No. 2377, 6p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *MR*

1972

Fedosev, N.V.

Theoretical principles of the formation of biogenic chemical basis of bioproductivity of oceans and seas
(Teoreticheskie osnovy formirovaniya biogennoi khimicheskoi bazy bioproduktivnosti vod okyanov i morya)
Bonitet Mirovogo okeana (P.A. Moiseev, chief editor), (1),
(Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozaystva i okeanografii) (VNIRO), 75, 247p.: 9-26. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Mar. Ecol. Lab., Dartmouth, N.S., 1973, as Transl. Series No. 2626, 34p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked.....
NR

Volkovinskii, V.V.

1972

Calculation of the amount of primary production of waters in the tropical part of the Atlantic Ocean according to the run-off rate of biogenous elements into photosynthesis zone (Raschet velichin pervichnoy produktii vod tropicheskoy Atlantiki po skorosti vynosa biogennykh elementov v zonu fotosintez)

Bozitet Mirovogo okeana (P.A. Moiseev, chief editor), (1), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozaistva i okeanografii (VNIRO), 75, 247p.: 61-64. In Russian.

Transl. by Transl. Bur., Egn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Mar. Ecology Lab., Dartmouth, N.S., 1973, as Transl. Series No. 2389, 8p., type-script.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. MR

Oradevskii, S.G.

1972

The organic chemical composition of ice in the Barents Sea
(Issledovanie biogenogo khimicheskogo sostava l'dov Barentseva morya)

Doklady Akademii Nauk SSSR (P.A. Moiseev, chief editor), (1).
Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta
morskogo rybnogo khoziaistva i okeanografii (VNIRO), 75,
247p.: 65-73. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Arctic Biol. Sta.,
Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2471,
21p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MR*

Mordasova, N.V. and M.V. Pedosov

1972

Chlorophyll and pheophytin content in water and ice of the Barents Sea (O soderzhanii khlorofilla i feofitina v vode i'ldakh Barentseva morya)

Bonitet Mirovogo okeana (P.A. Moiseev, chief editor), (1).

Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 75, 247p.: 80-~~80~~. In Russian.

177

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Arctic Biol. Sta., Ste. Anne de Bellevue, P.Q., 1973, as Transl. Series No. 2388, 13p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *NR*

Pedyakhina, R.F.

1972

Analysis of the intraspecific structure of Baltic herring
(K analiza vnutrividovoy struktury salaki)

Bonitet Mirovogo okeana (P.A. Moiseev, chief editor), (1),

Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta
morskogo rybnogo khoziaistva i okeanografii (VNIRO), 75,
247p.: 86-94. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRDC Halifax Lab.,
Halifax, N.S., 1973, as Transl. Series No. 2697, 16p.,
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *MR*

Potaiakuk, S.I.

1972

Results of a statistical analysis of long-term temperature changes in the North Atlantic (Nekotorye rezultaty statisticheskogo analiza dolgoperiodnoi i zamenchivoi temperatury vody v Severnoi Atlantike)

Bonitet Mirovogo okeana (P.A. Moiseev, chief editor), (1), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 75, 247p.: 125-134. In Russian.

Transl. by Transl. Bur., Wgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Mar. Ecology Lab., Dartmouth, N.S., 1973, as Transl. Series No. 2420, 18p., typescript.

Avail. on Loan - NNPS, Wash., D.C.

Original Article Checked. MR

Elizarov, A.A.

1972

Oceanologic bases of the distribution and concentration of commercial organisms (Ob okeanologicheskikh osnovakh raspredeleniya i kontsentratsii promyslovyykh organizmov) Bonitet Mirovogo okeana (P.A. Moiseev, chief editor), (1), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 73, 247p.: 152-165. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Mar. Ecology Lab., Dartmouth, N.S., 1973, as Transl. Series No. 2457, 29p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *RR*

Gorshkova, T.I.

1972

Organic matter in the sediments of Baltic Sea and its biological significance (Organicheskiye veshchestva osadkov Baltijskogo morya i ego biologicheskoye znachenie) Bonitet Mirovogo okeana (P.A. Moiseev, chief editor), (1), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozaystva i okeanografii (VNIRO), 75, 247p.: 191-219. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Mar. Ecology Lab., Dartmouth, N.S., 1973, as Transl. Series No. 2538, 50p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *AK*

Makarov, R.R.

1972

Life cycle and peculiarities of the distribution of
Euphausia superba Dana (Zhiznennyi tsikl i osobennosti
raspredeleniia Euphausia superba Dana)
Bonitet Mirovogo okeana (P.A. Noiseev, chief editor), (2).
Raspredelenie planktona, nektona i bentosa v okeanakh i
otkrytykh moriakh. Trudy Vsesoiuznogo nauchno-issledovatel's-
skogo instituta morskogo rybnogo khoziaistva i okeanografii
(VNIRO), II, 228p.: 85-~~88~~ In Russian.

152

Original Article Checked. *NR*

Ivanov, B.G.

1972

Geographic distribution of the northern shrimp, Pandalus borealis Kr. (Geograficheskoe rasprostraneniye severnogo shrimsa Pandalus borealis Kr. (Crustacea, Decapoda) Bonitet Mirovogo okeana (P.A. Moiseev, chief editor), (2), Raspredeleniye planktona, nektona i bentosa v okeanakh i otkrytykh moriakh, Trudy Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii (VNIRO), 77, 228p.: 93-109. In Russian.

Original Article Checked. *MR*

Chakunova, V.I.

1972

Geographic distribution of spiny lobsters and ecological factors determining their commercial concentrations

(Geograficheskoe rasprestranenie koltunikh langustov i ekologicheskie faktory, opredelialushchie ikh promyslovye skopleniya)

Bonitet Mirovogo okeana (P.A. Moiseev, chief editor), (2), Raspredelenie planktona, nektona i bentosa v okeanakh i

otkrytykh merialakh, Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 77, 228p.: 110-119. In Russian.

Original Article Checked *MR*

Shvetsov, V.V.

1972

Biosociosis of bottom invertebrates of the shelf and the upper part of the slope in the Gulf of Alaska (Biotsoziy donnykh bespozvonochnykh shel'fa i verkhnei chasti sklona zaliva Alaski)

Donitet Mirovogo okeana (P.A. Moiseev, chief editor), (2), Raspreделение planktona, nektona i bentosa v okeanakh i otkrytykh moriakh, Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 77, 228p.: 153-167. In Russian.

Original Article Checked ¹⁰

Lipskaja, N. Ia.

1972

Some data on the growth and feeding behavior of jack mackerel Trachurus trachurus L. off the western coast of Africa (Nekotorye dannye o roste i pitanii stavridy Trachurus trachurus Linne u zapadnogo poberezh'ia Afriki) Bonitet Mirovogo okeana (P. A. Moiseev, chief editor), (2), Raspreделение p anktona, nektona i bentosa v okeanakh i otkrytykh moriakh, Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 77, 228p.: 186-196. In Russian.

Original Article Checked MR

Lipskaia, N. Ia.

1972

Growth and feeding behavior of jack mackerel, Trachurus
trachurus Cadenat, off West Africa (Rost i pitanie stavrity
Trachurus trachurus Cadenat u poberezh'ia Zapadnoi Afriki)
Bonitet Mirovogo okeana (P.A. Moiseev, chief editor), (2),
Raspredelenie planktona, nektona i bentosa v okeanakh i
otkrytykh moriakh, Trudy Vsesoiuznogo nauchno-issledovatel'-
skogo instituta morskogo rybnogo khoziaistva i okeanografii
(VNIRO), 77, 228p.: 197-203. In Russian.

Original Article Checked *MR*

Dementieva, T.M.

Some aspects of the notion "system" in the dynamics of the 1972
numerical strength of its populations (Nekotorye aspekty
sistemy "sistem" v dinamike chislennosti i
ekologicheskoy roli i eksistentsii raznykh slove
Rusov. Trad. vsesoyuznaya nauchno-issledovatel'skaya
instit. i morskogo nauchno-issledovatel'skogo tsentra (VNIIO)
(T.M. Dementieva and L.S. Gerasimovskaya, editors). Moscow,
1972. 1-10. In Russian.

Transl. by Transl. Div., Publishing, Res. Div., Dept. of Sci. of
State of Canada, for Dept. of Environ., FIS (Fish. Sci. Sta.,
Lachine, P.Q., Arctic Biol. Sta., Ste. Anne de Bellevue, P.Q.,
and Biol. Sta., St. John's, Nfld., 1974, as transl. Series No.
1021, 1022, 1023, 1024.

Avail. on loan - NIDS, Was., D.C.

Original Article Checked (1)

Kokoz, I.M., and E.F. Luranenko

1972

Regularities in the dynamics of fish populations and
prediction problems (Zakonomernosti dinamiki chislennosti
ryb i zadachi prognozirovaniia
zakonomnosti kolebani chislennosti ryb i promyslovye
prognozy, Trudy Vsesoiuznogo nauchno-issledovatel'skogo
instituta morskogo rybnogo khoziaistva i okeanografii
(VNIRO) (P.P. Petent'eva and L.S. Merdichevskii, editors),
82, Moscow, 550p.: 11-25, in Russian.

Original Article Checked 

Mokhareva, G.I.

1972

Method of sampling, the assessment of generation sizes
(K metodike sbora materiala dlia otsenki chislennosti
pokolenii ryb)
Zakonernosti kolebani chislennosti ryb i promyslovye
prognozy. Trudy Vsesoiuznogo nauchno-issledovatel'skogo
instituta morskogo rybnogo khoziaistva i okeanografii
(VNIRO) (T.P. Bement'eva and L.S. Kordichevskii, editors),
92, Moscow, USSR.: 21-22. In Russian.

Original Article Checked *KT*

Saifianova, T.V., and A.G. Ankovskaya 1972

Complex method of studying regularities in the dynamics of commercial fish populations in a water body. ("metodika kompleksnogo izucheniia zakonovremostei dinamiki chislennosti promyslovkh ryb vodotela")

Zakonemosti kolebani chislennosti ryb i promyslovye prognozy. Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO) (T.V. Danont'eva and A.S. Berdichevskii, editors). M., Moscow, 150p.: 11-81. In Russian.

Original Article Checked *KT*

Zenshova, N.A., and A.V. Zaitin

1972

Reproduction of semi-anadromous fishes in the Caspian Sea
(o zakonachestvakh razmnozheniya poluprokhodnykh ryb
Kaspiia)

Zakonernosti kolebaniy chislennosti i promyslovye prognozy.
Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo
raznogo zoonitsstva i okeanografii (VNIIO) (T.P. Verentseva and
N.S. Verbitskii, editors), 23, Moscow, 1971, 14-71.
In Russian.

Transl. by Transl. Div., Publishing, Spec. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FIS (FWS) Marine Biol.
Lab., Dartmouth, N.S., 1974, as Transl. Series No. 3011, 23p.,
unpublished.

Avail. on Loan - HHS, Wash., D.C.

Original Article Checked *LT*

Iur'ev, G.S., and N.I. Starushenko 1972

Dynamics of the sprat population in the Black Sea and methods for predicting possible catches (Dinamika chislennosti chernomorskogo shchrota i metodika prognozirovaniia ego vozmozhnogo ulova)

Vakolennosti k obozrazheniiu chislennosti ryb i promyslovye prognozy, Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO) (T.P. Dement'eva and N.S. Berdichevskii, editors), 87, Moscow. 1969. 212-213. In Russian.

Original Article Checked KT

Yurev, G.S., and L.I. Starushenko

1972

The dynamics of the population of sprat in the Black Sea and method of predicting possible catches (Dinamika chislennosti chornomorskogo shpota i metodika prognozirovaniia ego vozmozhnogo ulova)

Zakomernosti kolebaniia chislennosti ryb i promyslovye prognozy, Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIIRC) (T.P. Dement'eva and L.S. Gerdichevskii, editors), 3, Moscow, 350p.: 212-219. In Russian.

Transl. by Transl. Bur., Multiling. Serv. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FIS (FRDC) Biol. Sta., Nan., B.C., Mar. Ecol. Lab., Dart., N.S., Biol. Sta., St. John's, Nfld., 1974, as Transl. Series No. 3060, 13p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *[initials]*

Gruzman, G.P.

1972

Causes affecting fluctuations in the abundance of cod
and sprat in the Baltic Sea ("Prichiny", obuslovlivaiushchie
kolebaniia chislennosti treski i shprota v Baltiiskom more)
Zakonomnosti kolebanii chislennosti ryb i promyslovye
prognozy. Trudy Vsesoiunogo nauchno-issledovatel'skogo
instituta morskogo rybnogo khozibaistva i okeanografii
(VNIRO) (T.F. Dement'eva and I.S. Verdishevskii, editors),
31, Moscow, 1969. pp. 249-263. In Russian.

Original Article Checked KT

Vakhmudbekov, A.A.

1972

Current status of herring stocks and prospects for their
fishery in the Caspian Sea (Sostornie zapasov i perspektivy
proyasa sel'dei na Kaspii)

Zakonnosti kolebaniy chislennosti ryb i promyslovye prognozy.
Trudy Vsesoyuznogo nauchno-issledovatel'skogo instituta
morskogo rybnogo khoziaistva i okeanografii (VNIRO) (T. A.
Bement'eva and G.S. Vardichevskii, editors), 81, Moscow,
350p.: 32p-312. In Russian.

Original Article Checked *KT*

Klyashtorin, L.B., and A.A. Yarshovbek

1972

Determination of standard metabolism in fish with the use of a membrane electrode (Opredelenie standartnogo obmena u ryb s ispol'zovaniem membrannogo elektroda)
Voprosy fiziologii ryb, (3). Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnoho khoziaistva i okeanografii (VNIRO), 85, Moscow, 158p.: 36-45. In Russian.

Transl. by Transl. Bur., Pgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Pacific Biol. Sta., Nanaimo, B.C., 1973, as Transl. Series No. 2699, 21p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *MR*

Bogoyavlenskaya, M.P., and I.P. Veltisheva 1972

Some data on age changes in the fat and carbohydrate metabolism in Baltic cod (Nekotoryye dannyye o vozrastnykh izmeneniyakh v shirovom i uglevodnom obmene treshki Baltiyskogo morya)

Voprosy fiziologii ryb, (3), Trudy Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybnoho khoziaistva i okeanografii (VNIRO), 85, Moscow, 198p.: 56-62. In Russian.

67

Transl. by Transl. Bur., Egn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Biol. Sta., St. John's, Nfld., 1973, as Transl. Series No. 2730, 15p., typescript.

Avail. on loan - NMFS, Wash., D.C.

Original Article Checked. *MR*

Lipshaya, N.Ya., et al.

1972

Some aspects of energy metabolism in Baltic eel, Gadus morhua gallowayii L. (Nekoterye momenty energeticheskogo obmena Baltiiskoi treski)
Voprosy fiziologii ryb, (3). Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii (VNIRO), 85, Moscow, 198p.: 81-85. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Biol. Sta., St. John's, Nfld., 1973, as Transl. Series No. 2714, 9p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *MR*

Zenkin, V.S.

1972

Identity of "O" and "A" erythrocyte antigens in Atlantic herring and the analysis of blood groups distribution in Georges Bank herring (Ob identichnosti "O" i "A" eritrotsitarnykh antigenov u atlanticheskoi sel'di i analiza raspredeleniya grupp krevi u sel'di banki Dzhordzhes) Voprosy fiziologii ryb, (3), (Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnogo khoziaistva i okeanografii) (VNIRO), 85, Moscow, 198p.: 95-102. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Halifax Lab., Halifax, N.S., 1973, as Transl. Series No. 2588, 12p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked 

Paravlev, A.S.

1972

The development of a device for counting fish fry
(Razrabotka ustroystva dlia ucheta melodi ryb)
Tekhnologiya i mekhanizatsiya obrabotki ryby i nerstov.kh.
of.ektov. Izd. vnesoiuznogo nauchno-issledovatel'skogo
instituta vostochnogo rybnogo khozyaystva i okeanografii (VNIRO),
Moscow, 1972. In Russian.

Transl. by Transl. Corp., Publishing. Spec. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., PMS (77-5) Incl. 3111,
Hull, Ont., Arctic Incl. 3111, St. Anne de Bellevue, P.Q.,
and Incl. 3111, St. John's, Nfld., 1974, as Transl. Series No.
7025, 2 p., typescript.

Avail. on loan - NRC, Hull, Ont., D.C.

Original Article Checked []

Agrba, M.A.

1972

Food requirements of juvenile steelhead in conditions of the Chernorechenskoe trout farm (Pishchevye potrebnosti molodi stal'nogoletovogo lososya v usloviyakh chernorechenskogo forelevogo khozyaistva)

Voprosy fiziologii ryb, (3), Trudy Vsesoiuznogo nauchno-issledovatel'skogo instituta morskogo rybnoho khozyaistva i okeanografii (VNIRO), 85, Moscow, 158p.: 107-116. In Russian.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Pacific Biol. Sta., Nanaimo, B.C., 1973, as Transl. Series No. 2709, 16p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked. *MR*

Semenova, E.P.

1972

Active metabolism in Azov fish (na aktivnom obmene
azotnykh slozhenykh)

Voprosy fiziologii ryb, (31), Trud Vsesoiuznogo nauchno-
issledovatel'skogo instituta morskogo rybnoho khoziaistva i
okeanografii (VNIRO), 31, Moscow, 1971, 153-164. In Russian.

Transl. by Transl. Unit, Multiling. Serv. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., and (trans) Arctic Biol.
Sta., Ste. Anne de Bellevue, P.Q., 1974, as Transl. Series No.
A040, 12p., typescript.

Avail. on loan - NAPS, Wash., D.C.

Original Article Checked *KJ*

Volko, E. I., and V. A. Pavlov

1972

fishes taken from the sea as an indicator of the
stocks of fish-perch and trout in the sea. (U.S. Fish
Strength Series and Summary of the sea and fishery
resources of the sea)

Biologicheskii resursy morya i ikh ispol'zovanie,
Trud Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo
rybnogo khozyaystva i cheloveka (VNIIMOR), 22, 207p.: 123-129.
in Russian.

Transl. of Transl. of, Multiling. Res. Div., Dept. of Sec. of
State of U.S., for Dept. of Environ., Ecol. (MRC) Sci. Sta.,
St. Andrews, N. S., 1974, as Transl. Series 6, 303, 40p.,
in English.

Am. Fish. Soc., Wash., D.C.

Original Article Checked [initials]

Dubinina, E. I., A. I. Gerasovskii, and
I. N. Popov

1972

A probability model of the complex of biogidrologic characteristics of the Azov Sea basin (Veroyatnostnaya model' kompleksa biogidrologicheskikh kharakteristik azovskogo basseina). Biologicheskie resursy rybolovstva i ikh ispol'zovanie, Izd. Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo rybno-khimiatskogo khozaystva (VNIIOKh), 29: 2-7, 1972-23. In Russian.

Transl. by Frankl. Publ. Outline, Russ. Lit., Dept. of Sec. of State of Canada, for Dept. of Environ., Sci. (EIS) Biol. Div., Ottawa, Ont., and EIS (EIS) Nat. Ecol. Div., Dartmouth, N.S., 1974, as transl. Series no. 3052, 22p., typescript.

Avail. on loan - 1975, Wash., D.C.

Original Article Checked *h*

Vladimirskaia, E.V.

1973

Qualitative composition of plankton of Northwest Atlantic
(Kachestvennyi sostav zooplanktona v severo-zapadnoi chasti
Atlanticheskogo okeana)

Raionirovaniye Mirovogo okeana po vidovomu sostavu naseleniya
(P.A. Moiseev, editor), Onitet Mirovogo okeana, (4), Izdaniye
Vsesoyuznogo nauchno-issledovatel'skogo instituta morskogo
rybnogo khozyaystva i okeanografii (VNIRO), 24, Moscow, 184p.:
65-80. In Russian.

Original Article Checked *[initials]*